

Architectural Science Review

Combined List of Contents and Index for Volumes 37 and 38 (1994 and 1995)

Editor

Henry J Cowan AO.
D. Eng., Hon DArch, Ph.D., MSc, Hon FRAIA, F.I.E. Aust., FASCE, FRSA
Professor Emeritus of Architectural and Design Science

Assistant Editor

Simon Hayman
BSc (Arch), M. Arch, Dip Illum Des, FRSA, MIESANZ

Business Manager

Warren G Julian
PhD, MSc(Arch), BE, BS, DipBdgSc, FIEAust
Dean of the Faculty of Architecture

**Published by the Department of Architectural and Design Science
University of Sydney
Sydney 2006, Australia
1996**

Since two volumes of the Architectural Science Review contain 408 pages, we recommend that subscribers bind two volumes together. For this purpose we issue a complimentary combined list of contents and a combined index for two successive volumes every two years. A cumulative index is available for Volumes 1-30.

Combined List of Contents

Volume 37, 1994

No. 1, March

Editorial:

- Architecture as the Art of the Possible 1
- A Computer-Vision-Based and Fuzzy-Logic-Aided Security and Fire Detection Sydney
Albert R.P. So and W.L. Chan 9
- Moisture Induce Movement in Masonry Walls
D.Bajaj, T.E. Uher, and W.R. Lawson 17
- Expert Systems for Buildings: Case Studies of Design, Diagnosis, Contracts Interpretation
Tean-Jee Lee, Aik-Leng Ang and Joseph Santhanam 21
- Building on Clay Soils which Undergo Volume Changes
F.G. Bell and C.A. Jermy 35
- Letter to the Editor: Literary Metaphors for Structural Tensegrities
Michele Melaragno 45
- Book Reviews 48

No. 2, June

- Guest Editorial: Design and its Management for the 21st Century
A. M. McLachlan 53
- An Integrated Approach to an Energy Efficient House
Alan Rodger and Shailaja Divakarla 59
- Deconstruction as a Construction
M.Bechir Kenzari 67
- Survey on indoor Air Quality in an Academic Services Department
Y.N Au Yeung, W.K. Chow and S.T. Law 73
- Geomancy in Modern Architectural Theory
Peter R. Proudfoot 81
- Book Reviews 93

No. 3, September**Editorial:**

- Transport in the Sydney CBD, and the Harbour View 101

Air Conditioning Modelling by Computational Fluid Dynamics

- J.H. Kent 103

Lessons from Hurricane Andrew

- Leighton Cochran 115

Strength, Elongation and Toughness of New and Weathered Polyvinyl Chloride and Chlorinated Polyethylene Roofing Membranes

- Ertan Özkan 123

Sick Building Syndrome: The Mystery and the Reality

- D. M. Rowe 137

Field Test on a Multiple Injection Staircase Pressurization System

- W.K. Chow and H.P. Lum 149

Book Reviews

159

No. 4, December**Editorial: Myth and Reality — The Cahill Expressway**

101

What is a Skyline: A Quantitative Approach

- Bill Lim and Tom Heath 163

Proposal for Improving Computer Aid in Architectural Design

- Burcu Senyapili and Bülent Özgüc 171

The Mortality of New Zealand Housing Stock

- Ivan M. Johnstone 181

Impact of Design Times and Temperatures on Residential Energy Use

- Mohamed M. Elnahas 189

Daylight in Atrium Spaces

- Usha Iyer-Raniya 195

Book Reviews

209

Combined List of Contents

Volume 38, 1995

No. 1, March

Editorial: Revival of the Dispute over the Opera House Architects	1
The Effect of the Cover and the Reflective Properties of a Four-Sided Atrium on the Behaviour of Light M. Boubekri	3
A Simulation Model to Predict the Emptying Times of a Building Gülen Cagdas and Gülsün Saglamer	9
A Case Study of Energy Savings by Using the Water-Side Economiser System in a Large Office Building in Montreal Radu Zmeureanu, Bassem Abushakra and Paul Fazio	21
Effect of Neighbouring Buildings on Mean Wind Pressure Distribution on a Flat Roof Ishwar Chand, V.K. Sharma and P.K. Bhargava	29
A Genetic Search Approach to Space Layout Planning Jun H. Jo and John S. Gero	37
Letter to the Editor Bill Lim and Tom Heath	47
Book Reviews	51

No. 2, June

Editorial: Political Correctness	57
An Experimental Study of the Critical Properties of Pressed and Earth Bricks Ertan Ozkan and Mohammed S. Al-Herbish	59
Solar Heat Gain Factors for Hong Kong Joseph C. Lam and Danny H.W. Li	75
Measuring Solar Heat Gain through Window Systems Deo K. Prasad	81
The Variations of Wind Speeds with Building Density in Urban Areas Vildan Ok and Murat Aygün	87
Environmental Theory and the Roles of Sciences Susan Coldicutt	97
Book Reviews	109

No. 3, September

Editorial: Back to the Classical Column	117
Principles, Methods and Problems of Inserting Heating, Ventilation and Air Conditioning Services into Heritage Buildings Alexandra Teague	119
Life-Cycle Costing of Energy-Efficient Measures for Commercial Buildings Joseph C. Lam and Apple L.S. Chan	125
Building Principles for the Selection and Design of an Industrialized Sanitary System Hillel Arkin	133
Simulation of the Thermal Fire Resistance of Building Materials Using the Finite Element Package LIBRA W.K. Chow and K.H. Yuen	145
Letter to the Editor: The First and Chief Grounds of Architecture Peter Middleton	151
Book Reviews	158

No. 4, December

Editorial: Metrification in the U.S.A	161
Scientific Research Prior to the Repair of the Land Walls of Constantinople, the Case of the Porta Pempton Ahmet Ersen	163
A Comparison of the Daylighting Performance of Different Shading Devices Giving the Same Solar Protection Pilar Oteiza and Alfonso Soler	171
Architectural Design of Earthquake and Wind Resisting Structures A.W. Charleson	177
Evaluation of Zone Models CFAST and BRI2 on Simulating Small Compartmental Fires W.K. Chow	181
Book Reviews	189

